

ELECTRICAL CAPPED CONTACT STUD AND METHOD OF FASTENING AN ELECTRICAL CONTACT

ABSTRACT OF THE DISCLOSURE

An electrical contact stud (1), a cap nut (12) of plastic material, an electrical contact system for fastening an electrical contact and a method for fastening an electrical contact to a workpiece (11) to be painted are provided. A cap nut (12), economically produced, made of plastics material, and not necessarily having to be electrically conducting, fastens an electrical contact shoe (21). As a plastics material nut can be self-locking, the required maximum torques for producing contact are relatively small, for example 8 Nm, and fastening an electrical contact is made possible even with thin sheets of metal with sheet metal thicknesses of less than 0.6 mm without deformation. The cap nut (12) made of plastics material serves in a first step as a seal against paint penetration into the electrical contact region and in a second step for fastening a contact shoe (21).